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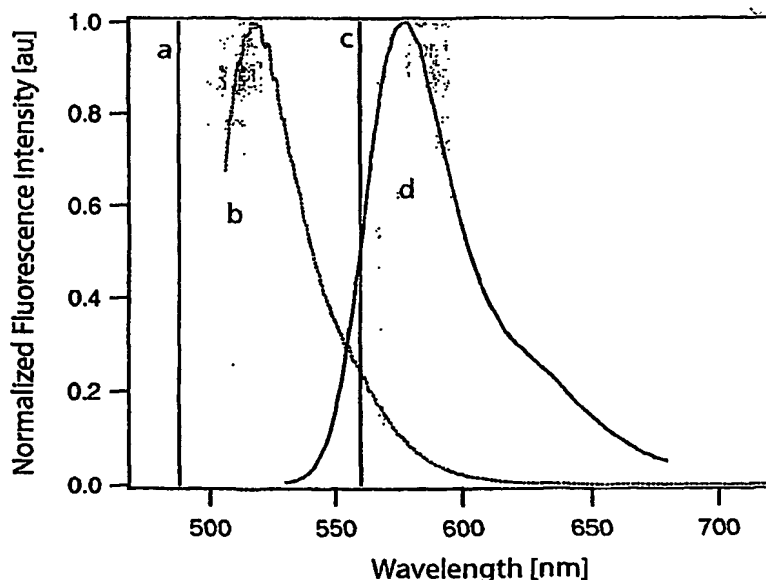
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(54) Title: **FLUORESCENCE CORRELATION SPECTROSCOPY WITH SINGLE EXCITATION WAVELENGTH**



(57) Abstract: At least two fluo-  
rophores (e.g. fluorescein-biotin and  
tetramethylrhodamine-streptavidin  
conjugate) for use in fluorescence  
correlation spectroscopy, charac-  
terised in that the fluorophores have  
substantially the same excitation  
wavelength (a) and different  
emission wavelengths (b and d).  
The fluorophores are used for  
simultaneous excitation with a single  
laser wavelength in fluorescence  
cross-correlation spectroscopy  
(FCCS). The central wavelength (c)  
of the dichroic mirror used for the  
separation of the emission signal lies  
between the emission wavelengths of  
the fluorophores.

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